

What is claimed is:

1        1. A vibrator comprising:  
2              a vibration motor having:  
3                  a rotary member;  
4                  a base on which said rotary member is mounted;  
5        and  
6              a cover provided on said base and covering said  
7        rotary member; and  
8              a printed circuit board on which said vibration motor  
9        is mounted,  
10         wherein said cover has a hole.

1        2. A method for manufacturing a vibrator, said apparatus  
2        including a vibration motor having a rotary member, a base  
3        on which said rotary member is mounted, and a cover  
4        provided on said base, covering said rotary member, and  
5        having a hole; and a printed circuit board on which said  
6        vibration motor is mounted, said method comprising the  
7        steps of:

8              loading said vibration motor on said printed circuit  
9        board; and  
10         mounting said vibration motor on said printed circuit  
11        board by using a reflow soldering.

1        3. An electronic equipment comprising:  
2              a vibrator including:  
3                  a vibration motor having:

4                   a rotary member;

5                   a base on which said rotary member is

6 mounted; and

7                   a cover provided on said base and covering

8 said rotary member; and

9                   a printed circuit board on which said vibration

10 motor is mounted,

11                 wherein said cover has a hole.